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STATUS OF THE CLAIMS

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Claim 1 (previously presented): A device for ablating a tissue in an individual comprising:

an actuator having an inferior surface adapted to contact an abrasive material deliverable onto a tissue;

means for driving said actuator at a high frequency,

a container operably connected distally to the device having an opening therethrough adapted to deliver an abrasive material therein to the tissue or to collect ablated tissue or other biomolecule therein from an ablation site on the tissue;

a reservoir adapted to contain a pharmaceutical operably connected to said device;

and

a permeable membrane adapted to controllably release said pharmaceutical.

Claim 2 (original): The device of claim 1, further comprising a housing means.

Claim 3 (canceled).

Claim 4 (original): The device of claim 1, wherein said tissue is membranous or non-membranous.

Claim 5 (original): The device of claim 4, wherein said membranous tissue is the stratum corneum.

Claim 6 (original): The device of claim 5, wherein said non-membranous tissue is bone.

Claim 7 (canceled).

Claim 8 (previously presented): The device of claim 1, wherein said means for driving said actuator is a piezoelectric actuator, a solenoid, or a voice-coil.

Claims 9-13 (canceled).

Claim 14 (original): The device of claim 1, wherein said abrasive material is biologically inert particles.

Claim 15 (original): The device of claim 14, wherein said abrasive has a particle size of about 30 microns to about 120 microns.

Claim 16 (original): The device of claim 15, wherein said abrasive has a particle size of about 50 microns to about 90 microns.

Claim 17 (original): The device of claim 14, wherein said abrasive is diamond, aluminum oxide, carborundum, or ice.

Claim 18 (original): The device of claim 1, wherein said abrasive further comprises a lubricant.

Claim 19 (original): The device of claim 18, wherein said lubricant is water, a hydrogel, a lipid, aqueous carbohydrate, petrolatum, or glycerol or a combination thereof.

Claim 20 (canceled)

Claim 21 (previously presented): The device of claim 1, wherein said pharmaceutical is an anesthetic, nitroglycerin, an anti-nauseant, an antibiotic, a hormone, a steroidal antinflammatory agent, a non-steroid antiinflammatory agent, a chemotherapeutic agent, an anti-cancer agent, an immunogen, an anti-viral agent or an anti-fungal agent, or a diagnostic material.

Claim 22 (original): The device of claim 21, wherein said antibiotic is tetracycline, streptomycin, sulfa drugs, kanamycin, neomycin, penicillin, or chloramphenicol.

Claim 23 (original): The device of claim 21, wherein said hormone is parathyroid hormone, growth hormone, gonadotropins, insulin, ACTH, somatostatin, prolactin, placental lactogen, melanocyte stimulating hormone, thyrotropin, parathyroid hormone, calcitonin, enkephalin, or angiotensin.

Claim 24 (original): The device of claim 21, wherein said anesthetic is lidocaine, bupivocaine, tetracaine, morphine, or fentanyl.

Claim 25 (original): The device of claim 21, wherein said immunogen is a vaccine.

Claim 26 (previously presented): The device of claim 1, wherein said abrasive is a crystallized pharmaceutical or is a powdered pharmaceutical.